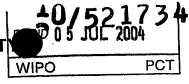
Rec'd PCT/PTO 19 JAN 2005





INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 20201WO International application No. PCT/NL 03/00507				FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)						
				International filing date (day/month/year)	Priority date (day/month/year) 19.07.2002				
	ational =8/04	Paten	Classification (IPC) or I	ooth national classification a	nd IPC					
opplic DSM	ant I IP A	SSET	S B.V. et al.							
1.	This i	nterna prity a	ational preliminary ex nd is transmitted to th	amination report has bee e applicant according to	n prepared by this Article 36.	International Preliminary Examining				
2.	This I	REPORT consists of a total of 5 sheets, including this cover sheet.								
This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawing been amended and are the basis for this report and/or sheets containing rectifications made before (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).										
These annexes consist of a total of sheets.										
3.	This	repor	t contains indications	relating to the following	items:					
3.	This	repor			items:					
3.			Basis of the opinion							
3.	ı	×	Basis of the opinion			step and industrial applicability				
3.	1 11 111		Basis of the opinion Priority Non-establishment	of opinion with regard to	novelty, inventive s	step and industrial applicability				
3.	1	⊠ □	Basis of the opinion Priority Non-establishment Lack of unity of inve	of opinion with regard to	novelty, inventive s	step and industrial applicability Ity, inventive step or industrial applicability;				
3.	 V		Basis of the opinion Priority Non-establishment Lack of unity of inve Reasoned statement citations and explar Certain documents	of opinion with regard to ention nt under Rule 66.2(a)(ii) v nations supporting such s cited	novelty, inventive s with regard to nove statement					
3.	 V 		Basis of the opinion Priority Non-establishment Lack of unity of inve Reasoned statemer citations and explant Certain documents Certain defects in the	of opinion with regard to ention nt under Rule 66.2(a)(ii) v nations supporting such s cited ne international applicatio	novelty, inventive s with regard to nove statement					
3.	IIIIIVV		Basis of the opinion Priority Non-establishment Lack of unity of inve Reasoned statemer citations and explant Certain documents Certain defects in the	of opinion with regard to ention nt under Rule 66.2(a)(ii) v nations supporting such s cited	novelty, inventive s with regard to nove statement					
	 		Basis of the opinion Priority Non-establishment Lack of unity of inve Reasoned statemer citations and explar Certain documents Certain defects in the Certain observation	of opinion with regard to ention nt under Rule 66.2(a)(ii) v nations supporting such s cited ne international applicatio	novelty, inventive s with regard to nove statement	Ity, inventive step or industrial applicability;				
	 		Basis of the opinion Priority Non-establishment Lack of unity of inve Reasoned statemer citations and explant Certain documents Certain defects in the	of opinion with regard to ention nt under Rule 66.2(a)(ii) v nations supporting such s cited ne international applicatio	novelty, inventive s with regard to nove statement on plication	Ity, inventive step or industrial applicability;				
Dat	 		Basis of the opinion Priority Non-establishment Lack of unity of inve Reasoned statemer citations and explar Certain documents Certain defects in the Certain observation	of opinion with regard to ention nt under Rule 66.2(a)(ii) v nations supporting such s cited ne international applicatio	novelty, inventive s with regard to nove statement on plication	Ity, inventive step or industrial applicability;				
19 Na	IIIIIVVVIIIVIIIIVIIII	Mariling Maring	Basis of the opinion Priority Non-establishment Lack of unity of inve Reasoned statemer citations and explar Certain documents Certain defects in the Certain observation	of opinion with regard to ention Int under Rule 66.2(a)(ii) to the entions supporting such so cited the international applications on the international ap	novelty, inventive swith regard to nove statement on plication	Ity, inventive step or industrial applicability;				

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International application No.

PCT/NL 03/00507

I.	Basis	of the	report
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1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Description, Pages							
	1-13		as originally filed					
	Claii	ms, Numbers						
1-13			as originally filed					
2.	With lang	Ith regard to the language , all the elements marked above were available or furnished to this Authority in the inguage in which the international application was filed, unless otherwise indicated under this item.						
	The	hese elements were available or furnished to this Authority in the following language: , which is:						
		the language of a tran	nslation furnished for the purposes of the international search (under Rule 23.1(b)).					
		the language of public	cation of the international application (under Rule 48.3(b)).					
			nslation furnished for the purposes of international preliminary examination (under					
3.	With	ith regard to any nucleotide and/or amino acid sequenc e disclosed in the international application, the ternational preliminary examination was carried out on the basis of the sequence listing:						
		contained in the inter	national application in written form.					
		filed together with the international application in computer readable form.						
		furnished subsequently to this Authority in written form.						
		furnished subsequently to this Authority in computer readable form.						
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.						
•		The statement that the listing has been furni	ne information recorded in computer readable form is identical to the written sequence shed.					
4.	The	amendments have re	esulted in the cancellation of:					
		the description,	pages:					
		the claims,	Nos.:					
		the drawings,	sheets:					
5.		This report has been been considered to g	established as if (some of) the amendments had not been made, since they have to beyond the disclosure as filed (Rule 70.2(c)).					
		(Any replacement sh report.)	neet containing such amendments must be referred to under item 1 and annexed to this					
6.	Add	ditional observations,	f necessary:					

INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

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- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N)

Yes: Claims Claims

No:

No:

1-13

Inventive step (IS)

Yes: Claims

Claims

1-13

Yes: Claims

1-13

Industrial applicability (IA)

Claims No:

2. Citations and explanations

see separate sheet

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- Novelty and inventive step 1. The subject matter of claims 1-13 of the present invention is novel in the sense of Article 33(2) PCT and involves an inventive step according to Article 33(3) PCT.
- 1.1. No document cited in the International Search Report discloses a process comprising A) the hydrogenation of a polymer in latex in the presence of hydrazine, a oxidising agent and a catalyst, B) the separation of the hydrogenated polymer from the latex, C) addition of an amine compound to the hydrogenated polymer and D) mixing it with a compound reactive with the amine. The distinguishing feature of the process over the prior art documents D1-D3 is the addition of a reactant for amines which is able to react with said amine compounds.

The applicant demonstrated that polymers obtainable by said process are novel as such.

Thus the subject-matter of claims 1-9 is novel within the sense of Article 33(2) PCT.

1.2. The problem to be solved is to provide rubbers having superior properties with regard to compression set, heat resistency and chemical resistency and a method for making them.

The applicant solved the problem by the distinguishing feature. In no cited prior art document D1-D3 incentives to such a problem solution were given. Thus inventive step (Article 33(3) PCT) is given for the product and process claims 1-9.

- 1.3. Automatically the use of said products and articles formed thereof fulfill the requirements of novelty and inventive step (Article 33(2) and (3) PCT), too.
- Clarity 2.
- 2.1. Claim 6

There exists a contradiction in claim 6. Claim 6 refers to amines according to formula (II), but this formula (II) encloses in cases where neither X nor Y are amino groups also compounds which are no amines (for X=H, OH or SH and Y=OH or SH).

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EXAMINATION REPORT - SEPARATE SHEET

- 2.2. Claims 10 and 11 Claims 10 and 11 are formulated in an unclear way. Claims 10 and 11 should refer back only to the product claim 9 in order to fulfill the requirements of clarity according to Article 6 PCT.
- 2.3. The applicant is informed that said unclarities should be clarified during the EPphase.
- Industrial applicability 3. Industrial applicability of the invention according to Article 33(4) PCT is given in the field of rubber technology.